

Abstract

**New core shell particle multistage polymer powder, its
manufacturing process and composition comprising it**

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The present invention relates to new impact modifiers and a process for making these new impact modifiers and their use in polymeric compositions. More particularly the present invention relates to a new polymeric impact modifier with a core-shell structure made by a multistage polymerization process comprising at least one gradient polymer.

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The present invention relates as well to a process preparing such an impact modifier, especially its recovery process after the end of the polymerization.

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The present invention also relates to a thermoplastic composition comprising the new impact modifier.

(No suitable figure)